



# ***Delivering FORCEnet:***

## ***Balancing Requirements, Resources and Acquisition***



**Skip Hiser**  
**NETWARCOM N8E**

*Statement A: Approved for public release; distribution is unlimited*

**United States Fleet Forces** **Operational Readiness, Effectiveness, Primacy**



# FORCEnet Domain



Distribution A (unlimited)



# ***The Network as a Weapon System***

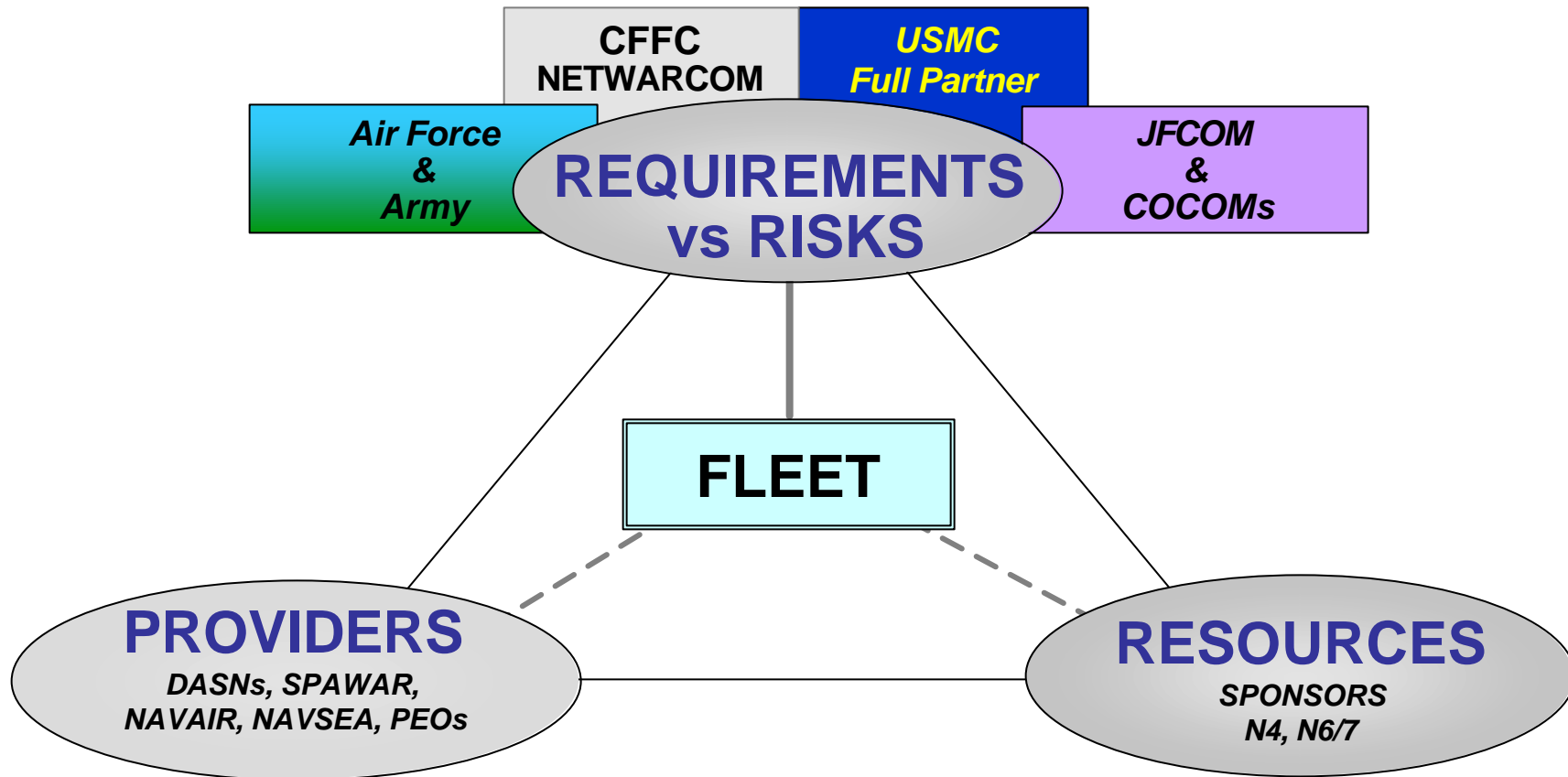


- ***People are at risk without assured, secure, timely and accurate information***
- ***Information is the domain of the Battle Environment***
  - ***Must have superiority / dominance***
- ***FORCEnet drives information / decision superiority***
  - ***Speed and agility***
  - ***Can dissuade and deter***
  - ***If needed, dominates, defend and defeat***
    - ***Accelerate pace of operations***
    - ***Reduce risk to friendly forces***
    - ***More precise, minimized collateral effects***
    - ***Netted, distributed, effective use of force***



# C4I TRIAD ALIGNMENT

*Bringing Discipline to the Enterprise*



The TRIAD begins and ends with the Fleet. CFFC & NNWC identify prioritized Fleet C4I requirements to OPNAV for resourcing. OPNAV balances limited resources against Fleet validated requirements and joint requirements. PEO C4I and SPAWAR deliver C4I capability to the fleet through funded programs of record.

Distribution A (unlimited)



# ***Fleet Driven Perspective***

---

- ***Captures operator vice programmatic perspective***
  - ***What really matters***
- ***Captures most recent operator experience***
  - ***What we're really doing, what really works, and what can/can't get to the fight***
- ***Drives balance of readiness with modernization and recapitalization***
  - ***To what extent we are really ready to fight***





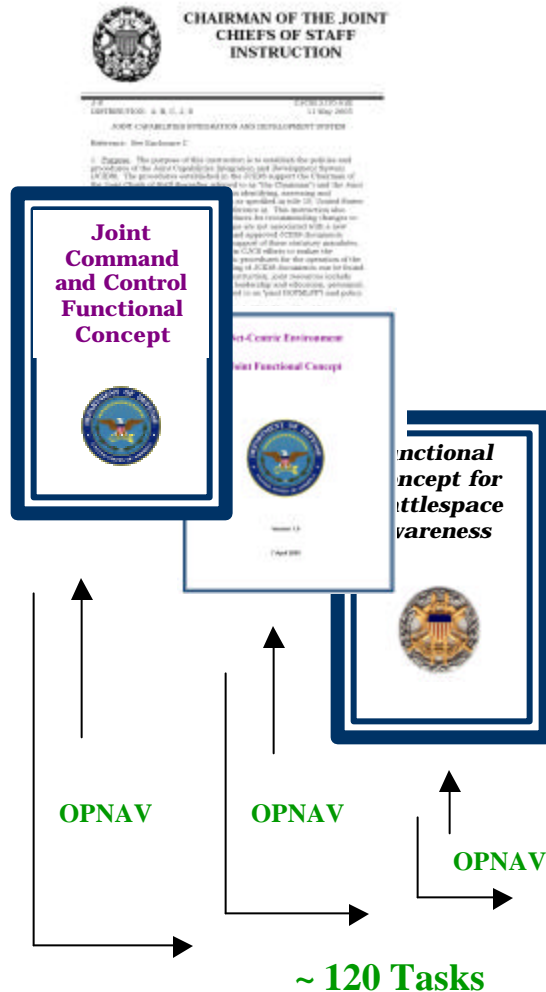
# Functional Decomposition



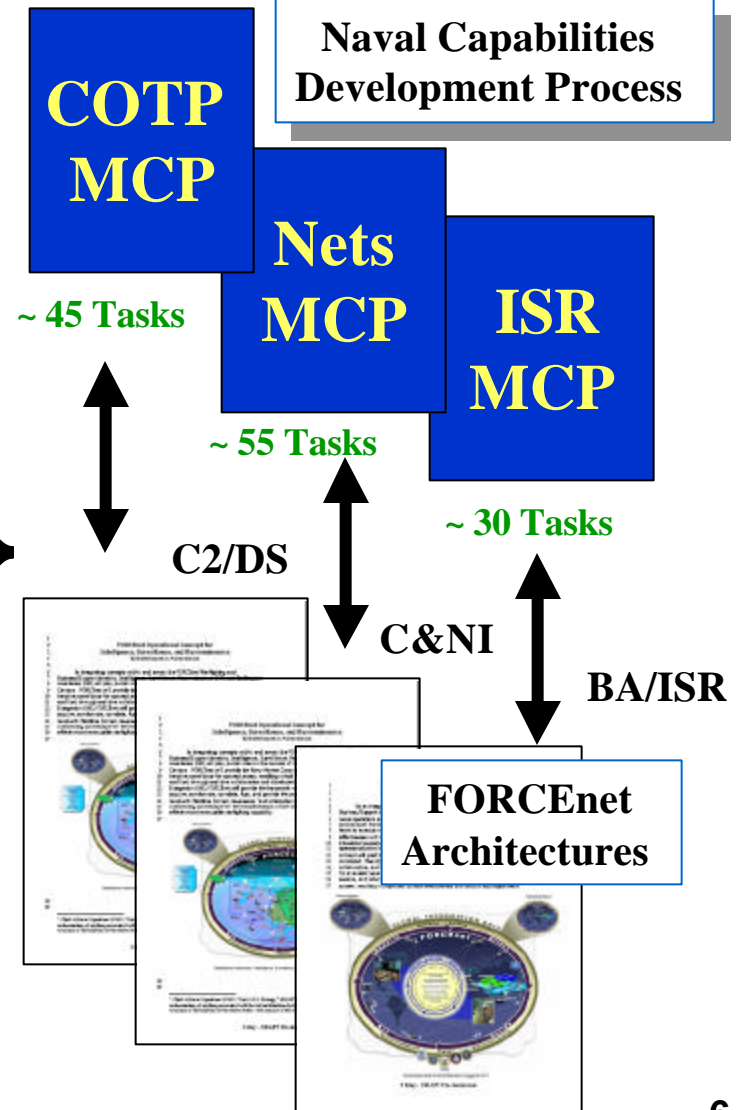
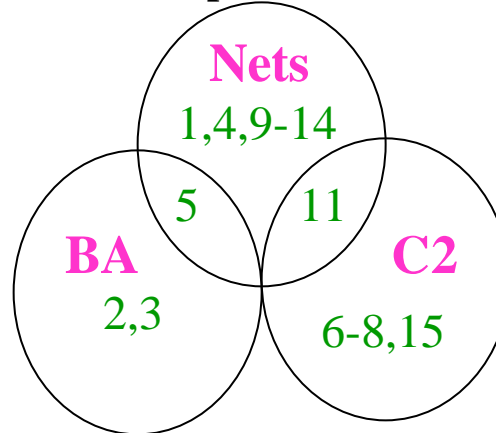
## Joint Capabilities Integration and Development System

## FORCEnet Functional Concept

## Naval Capabilities Development Process



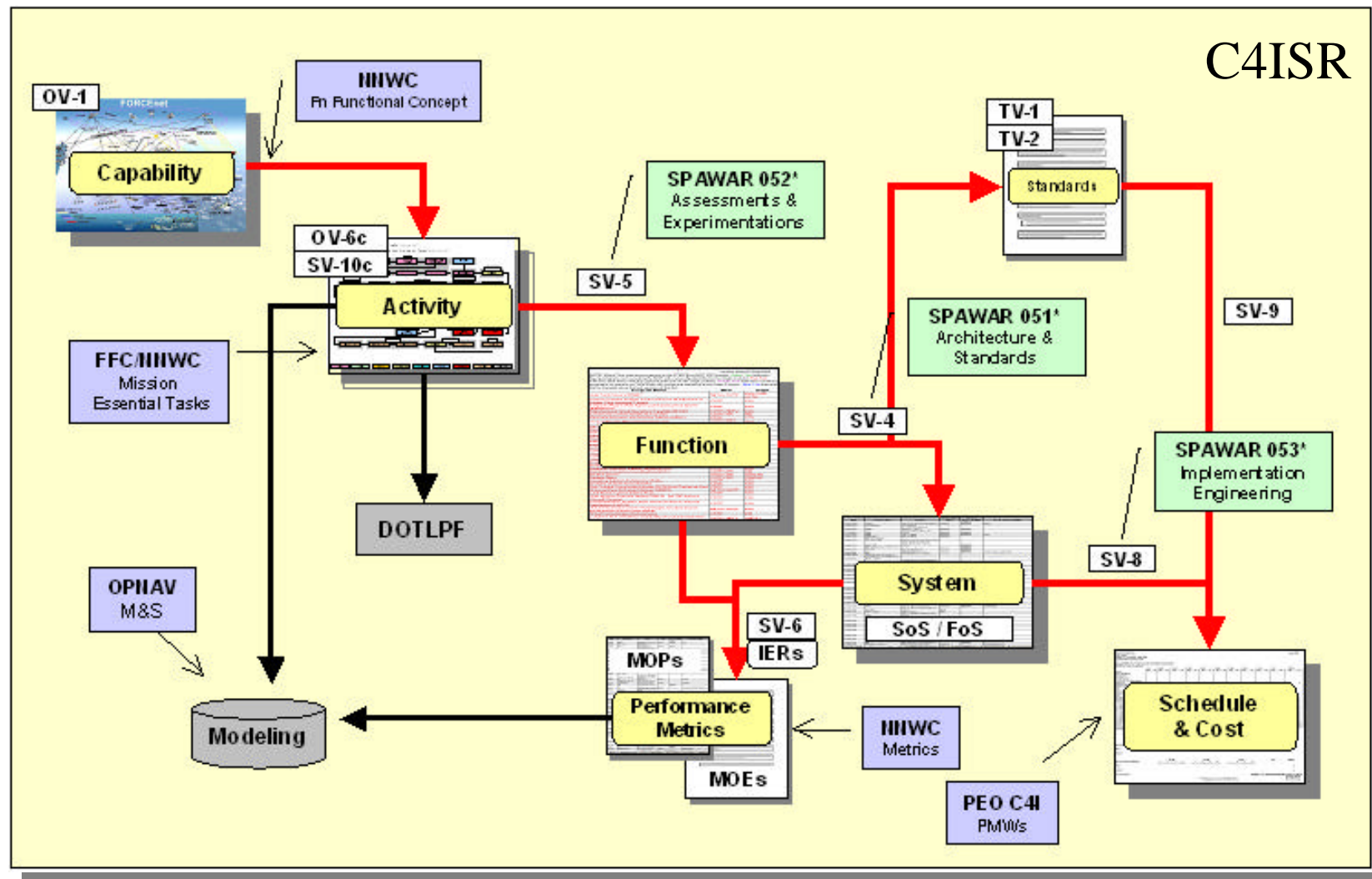
## FORCEnet Capabilities (15)



Distribution A (unlimited)



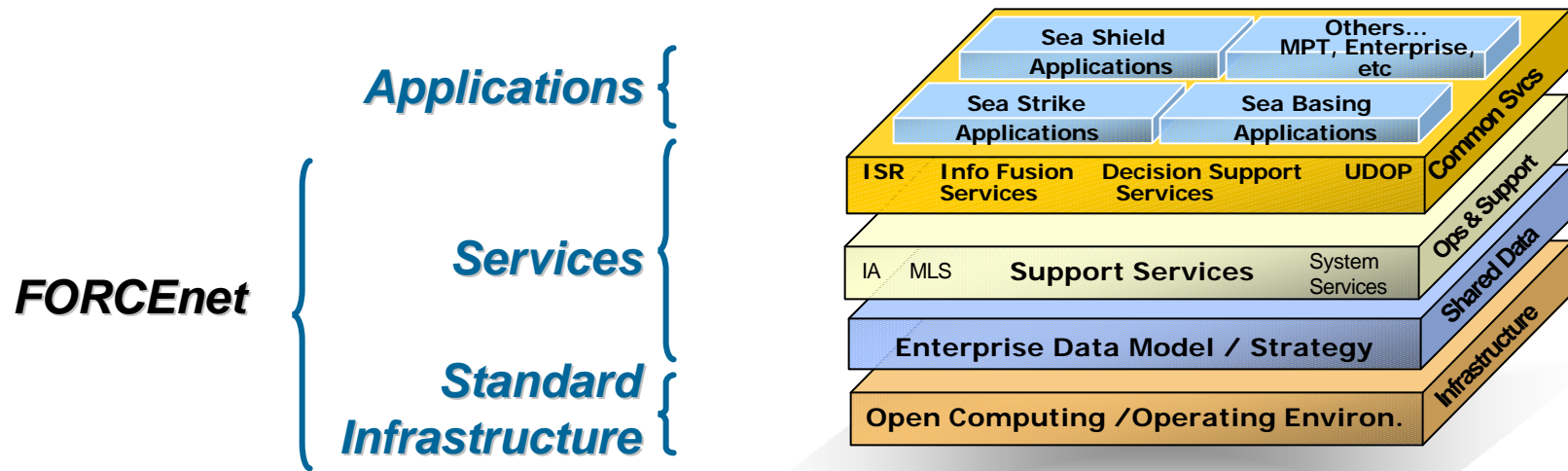
# Decomposing Capability



Distribution A (unlimited)



# Integrating Capabilities



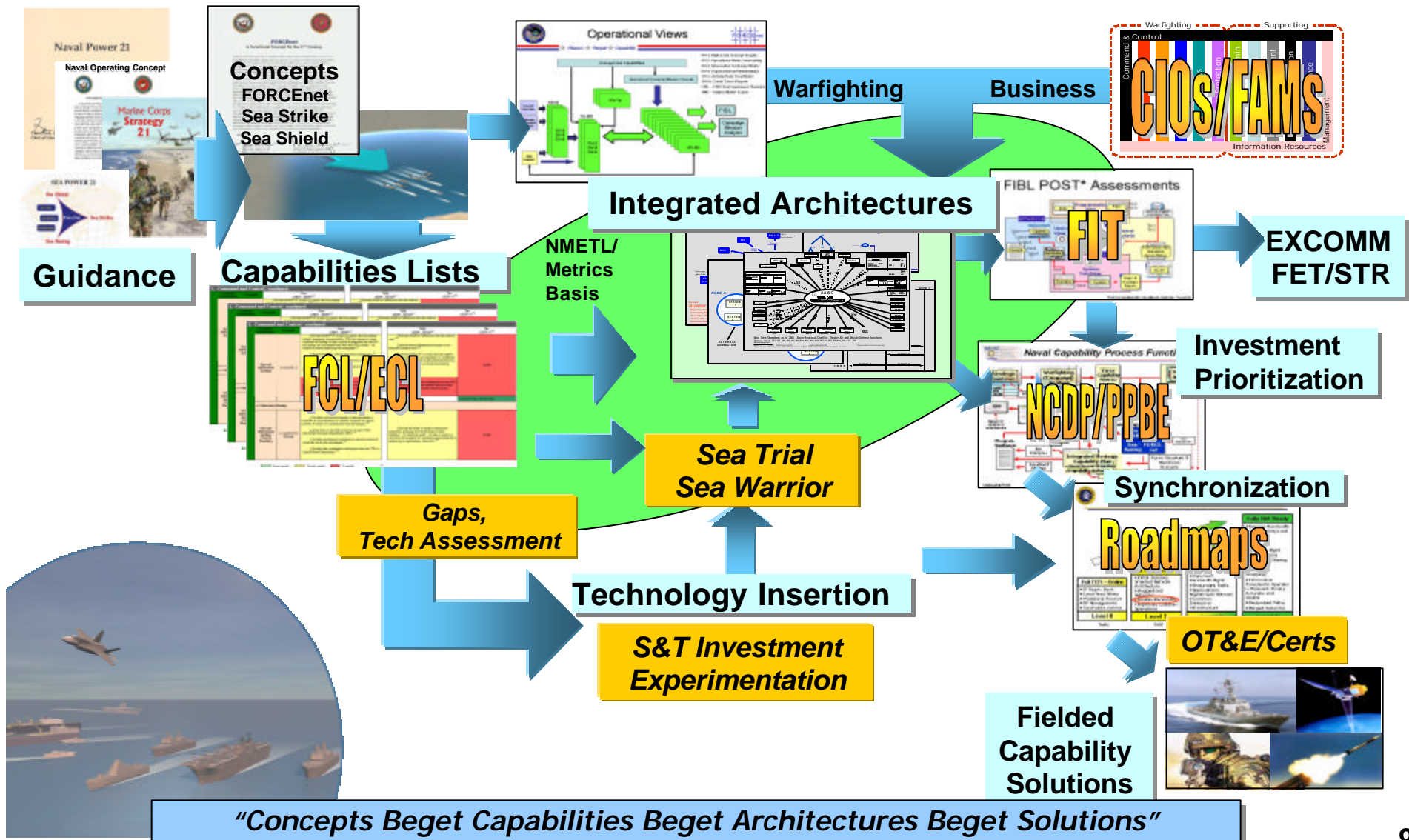
- Common Operational and Support Processes
- Common Services
- Enterprise Data Model and Strategy
- Information Assurance
- Multi-level Security
- User Defined Operational Picture
- Open Standard Computing/ Operating Environment

Distribution A (unlimited)



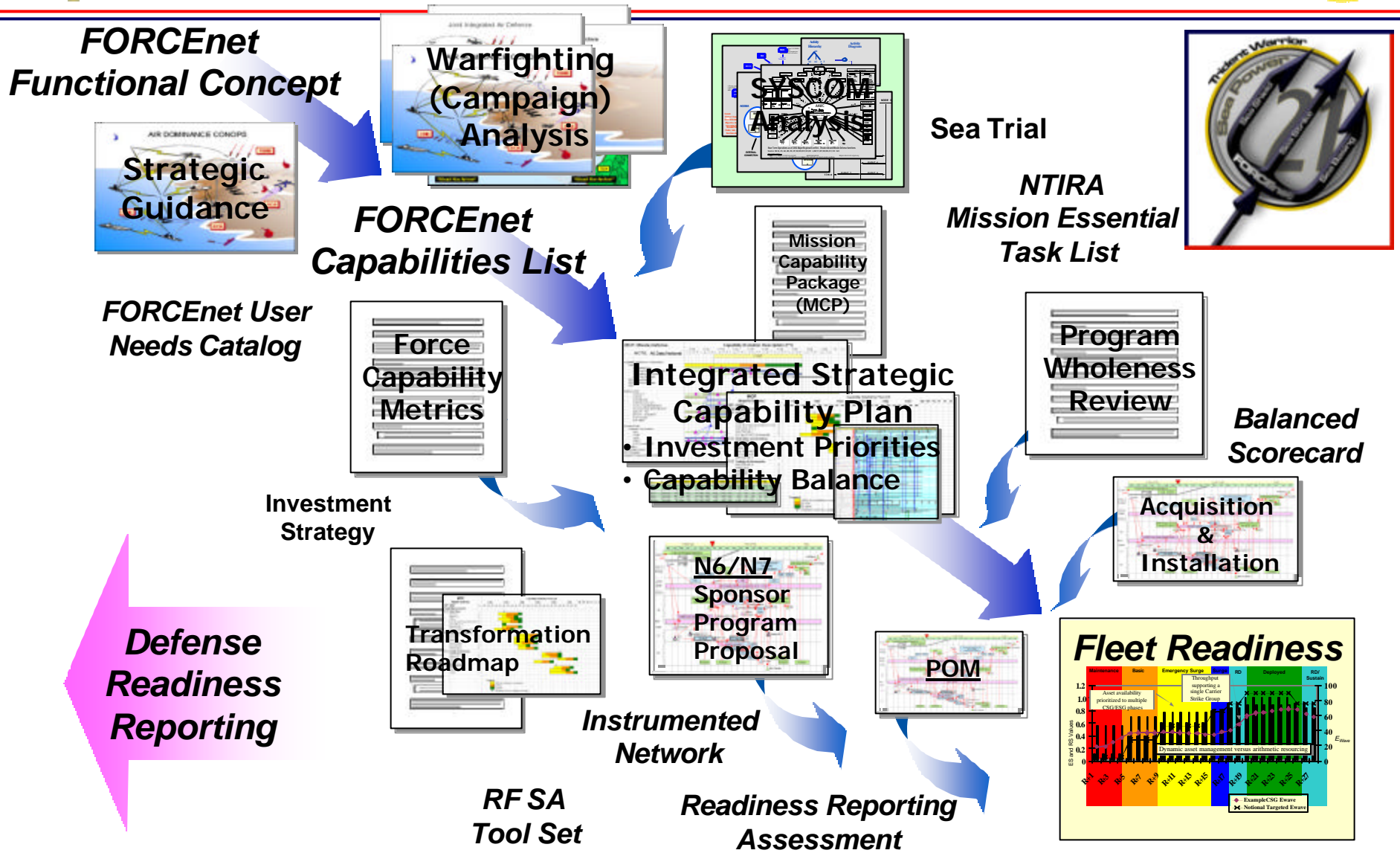


# Concept Based Strategy





# Naval Capability Assessment



Distribution A (unlimited)



# ***FORCEnet Capability List (FCL)***



- ***The FORCEnet Operational Agent's (NNWC) authoritative source document for priority, phasing, and pacing of capability evolution***
- ***Entails significant collaboration for programming, S&T and acquisition community participation to develop***
- ***Provides the strategy and synchronization supporting the Fleet, Resource Sponsors and Acquisition Communities.***
  - ***Drives capabilities-based integrated products for the fleet.***
  - ***Synchronizes delivery, planning and programming timelines of systems and infrastructure.***
  - ***Reveal gaps and overlaps in capability.***

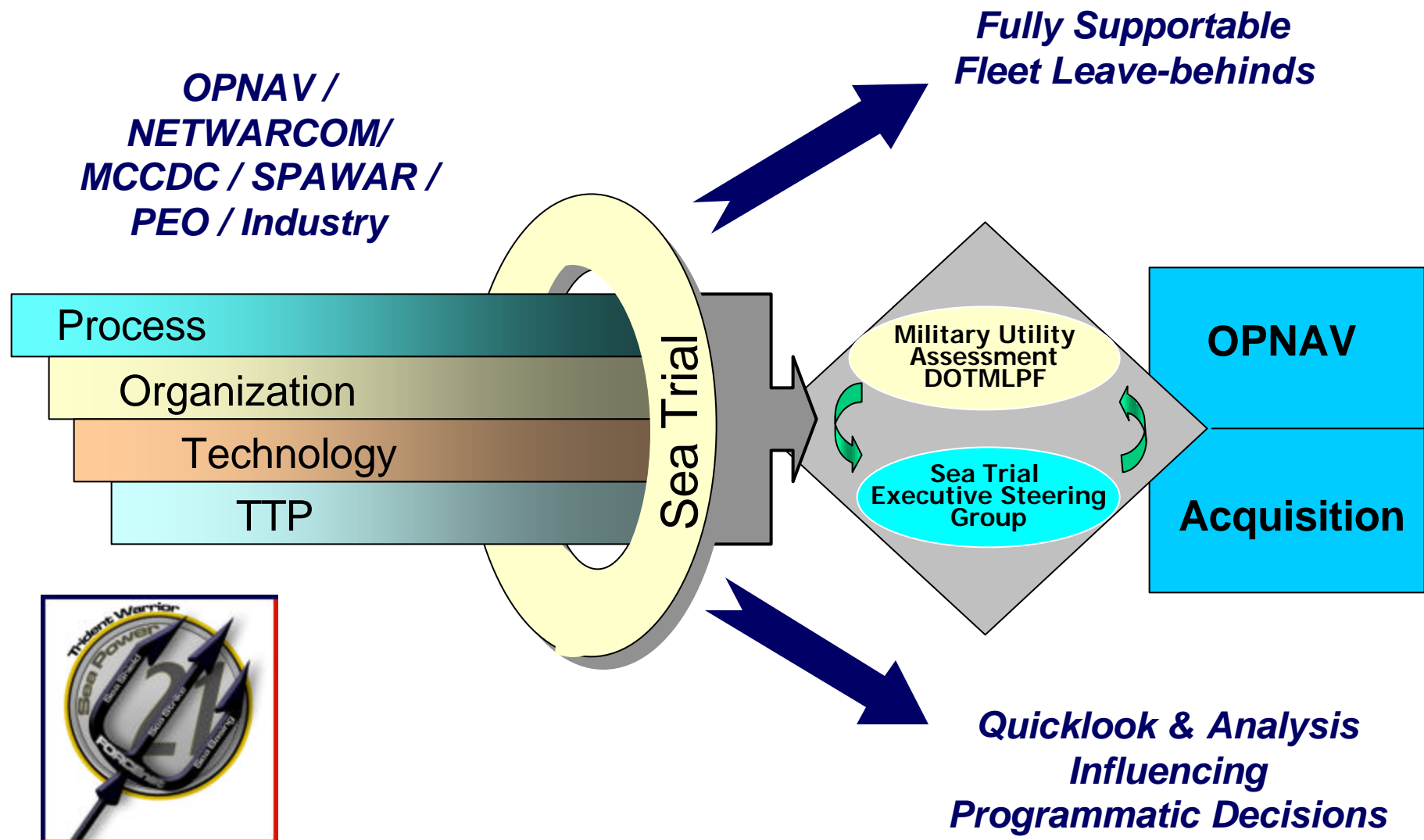
***Process & timeline support PPBES relevance***

Distribution A (unlimited)



# Trident Warrior

## Goal: Fleet Driven Speed to Capability



Distribution A (unlimited)





# Measuring the Value of C5ISR

## Warfighting ROI

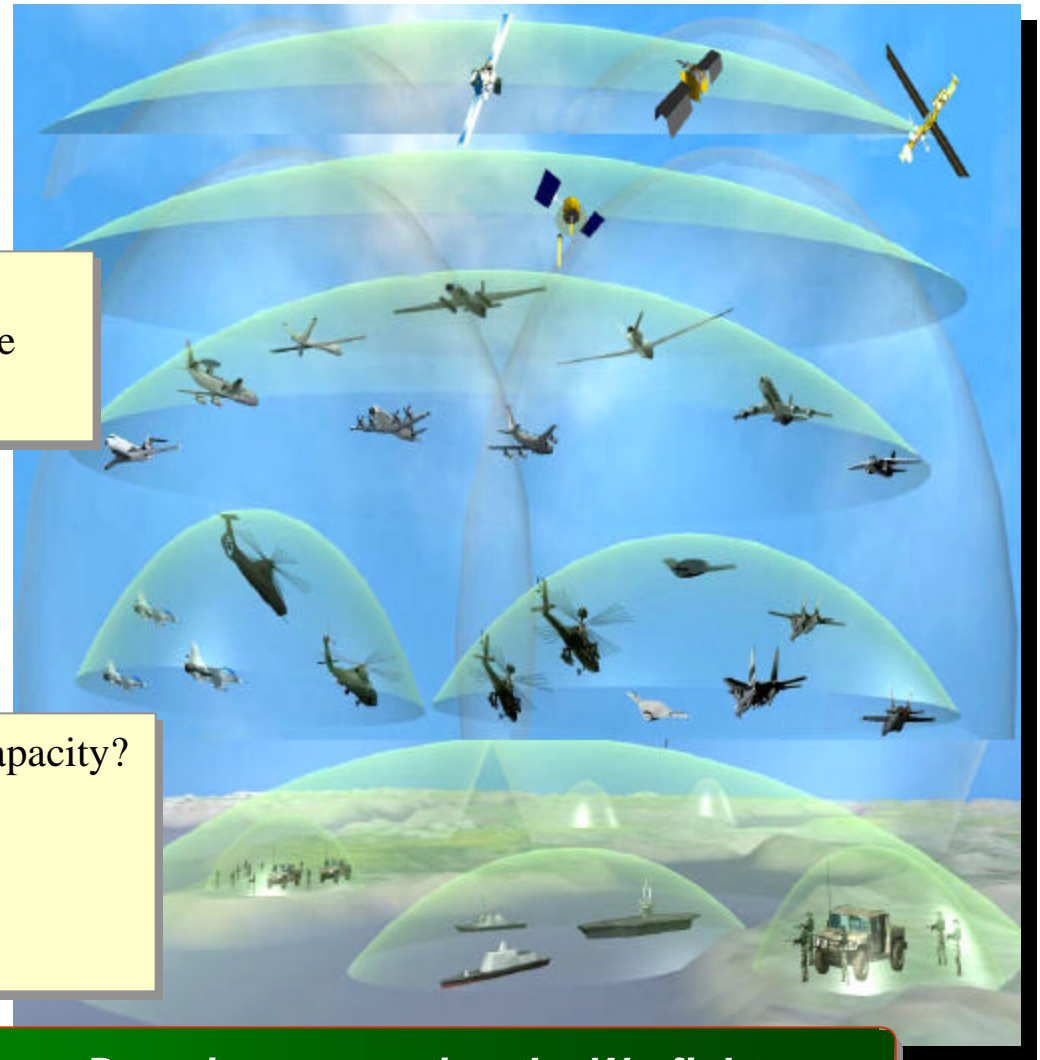
- Kill Rate / Attrition
- Damage / # of Targets Destroyed
- Duration / Elapse / Cycle Times
- Engagement rates / % success

Challenge linking metrics in the cognitive domain with those in the traditional warfighting domain

## Information (Cognitive) ROI

- Timeliness of Critical information
- Process management of relevant data
- Correlation & Fusion
- Interoperability with Allies/Coalition

- What's the value of improving capacity?
- ... Decision / Processing Speed?
- ... Automated Decision Tools?
- ... Training?
- ... Multi-level Security?



**Optimize Sea Warrior / Business Domains supporting the Warfighter**

Distribution A (unlimited)





Distribution A (unlimited)